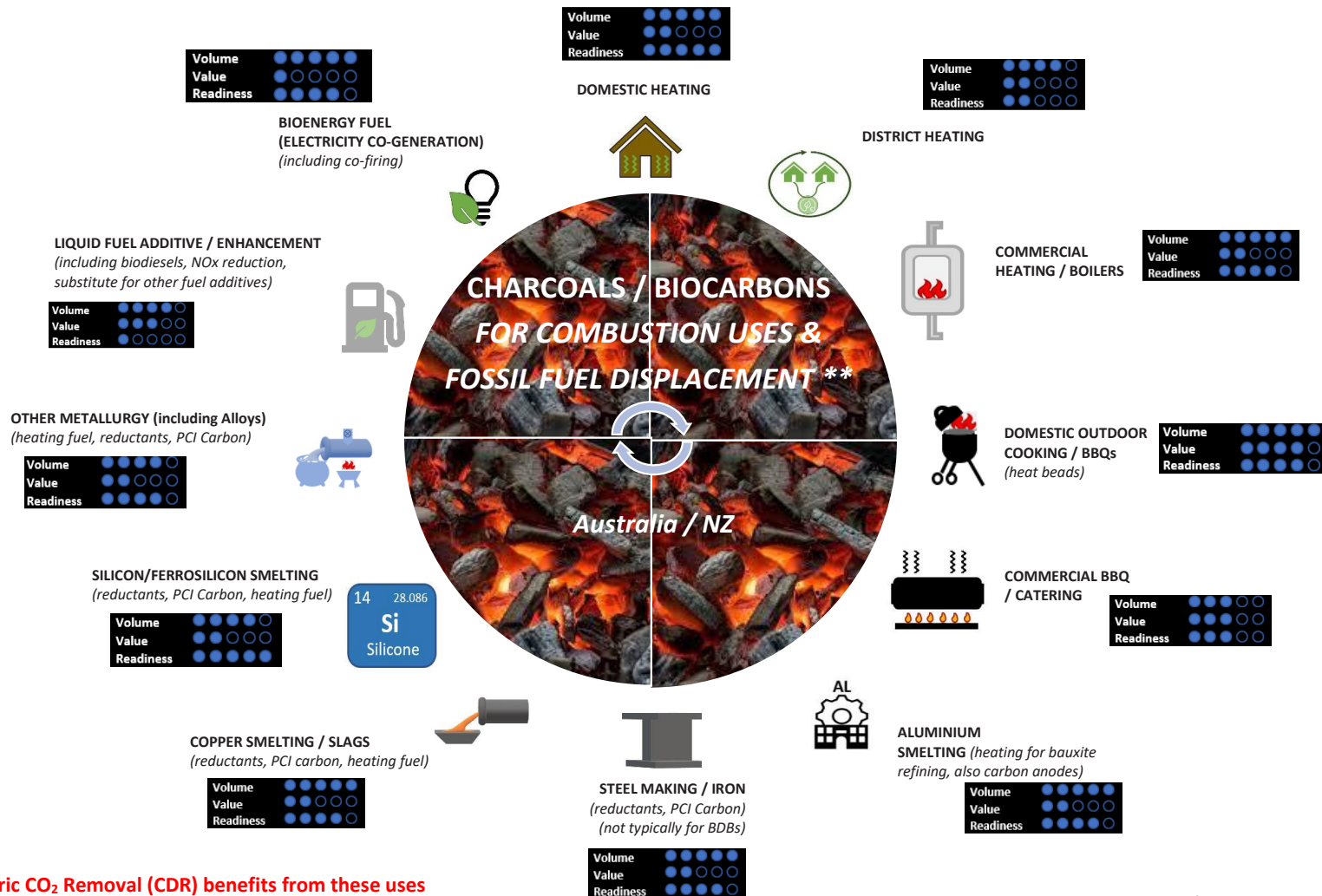


# NON-SOIL USES OF BIOCARBONS

Charcoals/Biocarbons for Combustion Uses and Fossil Fuel Displacement



**\*\* No atmospheric CO<sub>2</sub> Removal (CDR) benefits from these uses** (typically no CDR ('drawdown') when chars are burned/oxidized). Potential reductions in additional/new emissions may be provided via displacement of fossil carbon (i.e. avoided fossil emissions), pending LCA.

**Source**  
Catalyst Environmental Management  
with support from South East Water

Expanded upon on an original concept by Ithaka Institute 2016  
(Draper, K: The Biochar Displacement Strateav. the Biochar Journal Nov 2016)

Legend

Low	● ○ ○ ○ ○
Low-Medium	● ● ○ ○ ○
Medium	● ● ● ○ ○
Medium-High	● ● ● ● ○
High or Immediate	● ● ● ● ●

"Chars Ain't Chars"....

Biocarbons used to displace fossil fuels are typically tailored *Fit for Purpose*. They should be *sustainably sourced*, and should consider optimal use of available biomass resources and optimal use of land (including biomass cropping).